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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/144,579	08/31/1998	DAH WEN TSANG	1138-71	4972
20575	7590	09/06/2006	EXAMINER	
MARGER JOHNSON & MCCOLLOM, P.C. 210 SW MORRISON STREET, SUITE 400 PORTLAND, OR 97204			HU, SHOUXIANG	
			ART UNIT	PAPER NUMBER
			2811	

DATE MAILED: 09/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.



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EXAMINER
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*S. Hly*

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Commissioner for Patents

## **DETAILED ACTION**

### ***Specification***

1. A substitute specification excluding the claims is required pursuant to 37 CFR 1.125(a) because: the number or nature of the amendments render it difficult to consider the application or to arrange the papers for printing or copying, 37 CFR 1.125.

Multiple alleged changes made to the original specification could not be identified, due to possible missing of some amendment files in the IFW/eDAN database, including but not limited to: the replacement paragraph for the paragraph starting with "Figs. 1-12" on page 8; the inserted paragraph before the paragraph starting with "Fig. 8 shows" on page 12; and the inserted paragraph at the bottom of page 14.

After the filing the original specification on August 31, 1998, considerable amounts of subject matters have been allegedly incorporated into the instant application by references of various previous applications. Applicant is required to clarify with the substitute specification what have been specifically incorporated into the instant application from which specific paragraphs of which specific previous applications, with respect to the original specification filed on August 31, 1998.

Furthermore, at least new Figs. 6B and 6C have been added into the instant application; but no corresponding descriptions about the subject matters shown in these new drawings are found in the specification in the IFW/eDAN database.

A substitute specification must not contain new matter. The substitute specification must be submitted with markings showing all the changes relative to the

immediate prior version of the specification of record. The text of any added subject matter must be shown by underlining the added text. The text of any deleted matter must be shown by strike-through except that double brackets placed before and after the deleted characters may be used to show deletion of five or fewer consecutive characters. The text of any deleted subject matter must be shown by being placed within double brackets if strike-through cannot be easily perceived. An accompanying clean version (without markings) and a statement that the substitute specification contains no new matter must also be supplied. Numbering the paragraphs of the specification of record is not considered a change that must be shown.

### ***Drawings***

2. In addition to Replacement Sheets containing the corrected drawing figures of Figs. 6B and 6C, applicant is required to submit a marked-up copy of each Replacement Sheet including annotations indicating the changes made to the previous version. The marked-up copy must be clearly labeled as "Annotated Sheets" and must be presented in the amendment or remarks section that explains the change(s) to the drawings. See 37 CFR 1.121(d)(1). Failure to timely submit the proposed drawing and marked-up copy will result in the abandonment of the application.

3. In addition, no Fig. 6A is not found in the IFW/eDAN database; and, it is not clear whether there are any other newly added drawing sheets missing in the IFW/eDAN

database. Accordingly, applicant is requested to provide a copy of a complete set of drawings in reply to this office action.

4. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the subject matters recited in claims 43 and 98 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered. These subject matters include:

“the gate conductor comprising doped polysilicon contacting the gate oxide layer within the trench and a first metal layer defining a gate metal layer overlying the doped polysilicon of the gate conductor; an insulating layer overlying the gate conductor; and an upper metal layer over the insulating layer and having a first portion contacting the gate conductor through a via in the insulating layer and a second portion coupled to the source region in electrical isolation from the gate conductor”, as recited in claim 43; and,

“a first metal layer comprising aluminum including a first portion extending over the doped polysilicon and a second portion contacting the source semiconductor material; an insulating layer disposed over said gate structure and between the first and second portions of the first metal layer; and a second metallization over said insulating layer, the second metallization having a first portion contacting the first portion of the first metal layer on the gate structure through said insulating layer and a second portion contacting said second portion of the first metal layer”, as recited in claim 98.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended

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replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

5. Applicant is given a TWO MONTH time period to submit the above required files at least in compliance with 37 CFR 1.81. Extensions of time may be obtained at least under the provisions of 37 CFR 1.136(a). Failure to timely submit any of the above required files will result in ABANDONMENT of the application.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shouxiang Hu whose telephone number is 571-272-


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1654. The examiner can normally be reached on Monday through Thursday, 7:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie C. Lee can be reached on 571-272-1732. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

SH  
August 31, 2006

  
SHOUXIANG HU  
PRIMARY EXAMINER